

## ABSTRACT

Provided are porous fibers and fiber structures that have large surface areas and large voids, and controlled hydrophilicity suitable for  
5 matrices of cell culture in the field of tissue engineering, and a method for producing the fiber structure including a step in which a solution is produced by dissolving a hydrophobic solvent-soluble polymer and an organic compound having a plurality of hydroxyl groups in a hydrophobic solvent, a step in which the solution is spun by electrospinning, and a step in which a  
10 fiber structure accumulated on a collector is obtained.